

#### ABSTRACT OF THE DISCLOSURE

In this disclosure, air flow is formed above chemical liquid film and a move of the chemical liquid is generated by making the air flow into a contact with the surface of chemical liquid. Further, a negative pressure is generated in a space between a processing object substrate and a plate by rotating the plate. Consequently, uniformity of processing of chemical liquid is improved, so that liquid removing step can be carried out effectively. As a result, yield rate of chemical liquid treatment can be improved.